

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Keith D. Allen Examiner: Wilson, Michael C.
 Serial No.: 10/005,202 Group Art Unit: 1632
 Filed: December 4, 2001 Docket: R-902/40338.48USU1
 Confirmation No.: 6809
 Title: Transgenic Mice Containing KIR5.1 Inwardly Rectifying Potassium Channel Gene Disruptions

CERTIFICATE UNDER 37 CFR 1.10:

"Express Mail" mailing label number: EV 593832170 US
 Date of Deposit: December 28, 2004

I hereby certify that this paper or fee is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

By: Sallene Thomssen
 Name: Sallene Thomssen

Mail Stop AMENDMENT
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

26619
 PATENT TRADEMARK OFFICE

Sir:
 We are transmitting herewith the attached:

- ☒ Transmittal Sheet in duplicate containing Certificate of Mailing
- ☒ Amendment: The fee has been calculated as shown below in the "Claims as Amended" table
- ☒ Small entity status has been previously established
- ☒ Other: Spencer, NHGRI; Background on Mouse as a Model Organism
- ☒ Other: Austin et al., Nature Genetics (2004) 36(9):921-24, 921, Commentary - The Knockout Mouse Project
- ☒ Other: Doetschman, Laboratory Animal Science; April, 1999; 49(2):137-43, Interpretation of Phenotype in Genetically Engineered Mice
- ☒ Other: Molecular Biology of the Cell (Albert, 4th ed., Garland Science (2002))
- ☒ Other: Genes VII (Lewin, Oxford University Press (2000))
- ☒ Other: Joyner (Gene Targeting: A Practical Approach, Oxford University Press 2000)
- ☒ Other: Matisse et al. (Production of Targeted Embryonic Stem Cell Clones in Joyner, Gene Targeting: A Practical Approach, Oxford University Press 2000)
- ☒ Other: Crawley (What's Wrong With My Mouse Behavioral Phenotyping of Transgenic and Knockout Mice, Wiley-Liss 2000)
- ☒ Return postcard

CLAIMS AS AMENDED

Claims Remaining After Amendment		Highest Number Previously Paid For		Present Extra		Rate		Fee
Total Claims								
17	-	30	=	0	x	25.00	=	\$0.00
Independent Claims								
2	-	17	=	0	x	100.00	=	\$0.00
MULTIPLE DEPENDENT CLAIM FEE								\$0.00
TOTAL FILING FEE								.00

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers or any future reply, if appropriate. Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

MERCHANT & GOULD P.C.
 P.O. Box 2903, Minneapolis, MN 55402-0903
 612.332.5300

By: John E. Burke
 Name: John E. Burke
 Reg. No.: 35,836
 JEB/mcn



12-30-04

AF/1632
ITW

S/N 10/005,202

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Allen, Keith D.	Examiner:	Wilson, Michael C.
Serial No.:	10/005,202	Group Art Unit:	1632
Filed:	12/04/2001	Docket No.:	R902/40338.48USU1
Title:	TRANSGENIC MICE CONTAINING KIR5.1 INWARDLY RECTIFYING POTASSIUM CHANNEL GENE DISRUPTIONS		

CERTIFICATE UNDER 37 CFR 1.10

'Express Mail' mailing label number: EV344667927US
Date of Deposit: December 28, 2004

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By: Jillene Thomssen
Name: Jillene Thomssen

AF AMENDMENT

MS AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In response to the Final Office Action mailed October 28, 2004, please amend the above-identified application as follows:

Amendment to the Specification begins on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims that begins on page 3 of this paper.

Remarks begin on page 5 of this paper.